```
   1 .
   2 .
   3 .
   4 .
   5 .FORTH  WISEMAN
  10 GOSUB 800;GOSUB 700
  25 T=N+1;@(T)=0;C=0;NT=0
  30 GOSUB 100;IF SGOTO 60
  50 GOSUB 500;GOTO 30
  60 CY=0;CX=-54;PRINT "STOP
  70 C=KP;GOTO 10
 100 A=@(C);S=0
 110 CY=24;CX=-61
 120 PRINT #2,C+1,;CX=-12;TV=@(C)
 130 PRINT ;C=C+1
 140 IF (A)>=48)b(A<=57)@(T)=@(T)b10+A-48;RETURN
 150 IF A=88A=@(T);@(T)=@(T-1);@(T-1)=A;RETURN
 160 IF A=68T=T+1;@(T)=@(T-1);RETURN
 170 IF A=84RETURN
 180 IF A=83S=1;RETURN
 190 IF A=80CY=8;CX=-12;PRINT #5,@(T);CY=16;RETURN
 200 IF A=94T=T-1;RETURN
 210 IF A=96T=T+1;@(T)=0;RETURN
 220 IF A=43T=T-1;@(T)=@(T+1)+@(T);RETURN
 230 IF A=45T=T-1;@(T)=@(T)-@(T+1);RETURN
 240 IF A=98T=T-1;@(T)=@(T+1)b@(T);RETURN
 250 IF A=99T=T-1;@(T)=@(T+1)c@(T);RETURN
 260 IF A=73T=T+1;CY=0;CX=-54;INPUT "INPUT "@(T);CY=16;BOX -36,0,42,9,1;RETURN
 270 IF (A=63)b(@(T)=0)RETURN
 280 IF A=63C=C+1;RETURN
 290 IF A=97GOTO 400
 300 IF A=95GOTO 450
 305 IF A=81T=T+1;@(T)=T-N-1;RETURN
 310 IF A=66@(T)=@(T-@(T));RETURN
 320 CX=0;CY=-16
 330 PRINT "ILG OP"
 340 S=1;RETURN
 400 FOR C=CTO N;IF @(C)=84RETURN
 410 NEXT C
 420 C=0;RETURN
 450 FOR C=C-2TO 0STEP -1;IF @(C)=84RETURN
 460 NEXT C
 470 RETURN
 500 CX=-61
 510 PRINT #2,T-N,;CX=-12;PRINT #5,@(T)
 530 BOX 23+RND (50),RND (40),2,4,2
 540 NT=3;MU=@(C);NT=0
 550 RETURN
 700 CY=-22;NT=3
 710 PRINT "ENTER PROGRAM
 720 A=KP;TV=A
 730 IF A=31N=N-1;GOTO 720
 735 IF A=46@(N)=83;RETURN
 740 @(N)=A;N=N+1;GOTO 720
 800 CLEAR ;C=0;N=0;NT=0
 805 CY=37
 810 PRINT "  BALLY FORTH
 815 CY=24
```

```
  820 PRINT "IN#    OP
  830 PRINT "ST#    TOP
  840 PRINT "       DATA
  860 BOX 0,18,160,52,3
  900 RETURN
>RUN
  BALLY FORTH
IN#    OP
ST#    TOP

RUN
BALLY BASIC
>RUN
  BALLY FORTH
IN#    OP
ST#    TOP
       DATA
ENTER PROGRAM
0123456789:;<=>?@ABCDEFGHIJKLMNOPQRSTUVWXYZ[\]↑ `abcdefghijklmnopqrstuvwxuz{|}~0
```